

O I P E

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EXPRESS MAIL CERTIFICATE

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I hereby certify that, on the date indicated above, this  
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Patricia Campbell

Signature

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Customer No.: 29311

Docket No: 02427/100G685-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Patrick F. Kelly; Elio F. Vanin

Serial No.: 09/801,302

Art Unit: 1636

Filed: March 7, 2001

Examiner: Celine X. Qian, Ph.D.

Confirmation No.: 2679

For: HIGHLY EFFICIENT GENE TRANSFER INTO HUMAN REPOPULATION STEM  
CELLS BY RD114 PSEUDOTYPED RETROVIRAL VECTOR PARTICLES

AMENDMENT AND RESPONSE TO THE FINAL OFFICE ACTION  
AND ADVISORY ACTION

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Final Office Action mailed on May 7, 2003 and Advisory Action  
mailed on September 23, 2003, please consider the following amendments and remarks.

Serial No. 09/801,302

Docket No. 02427/100G685-US1

Response to the Final Office Action dated May 7, 2003

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Amendments to the claims are reflected in the listing of claims which begins on page 3 of this paper. Remarks begin on page 7 of this paper. Submitted simultaneously herewith is a Request for Continued Examination and Petition for THREE (3) MONTHS Extension of Time with the required fees.

Serial No. 09/801,302

Docket No. 02427/100G685-US1

Response to the Final Office Action dated May 7, 2003

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## AMENDMENT TRANSMITTAL LETTER

Docket No.  
02427/100G685-US1

Application No.  
09/801,302

Filing Date  
March 7, 2001

Examiner  
Celine X. Qian

Art Unit  
1633

Applicant(s): Patrick F. Kelly, et al.

Invention: RETROVIRAL VECTOR FOR HIGH EFFICIENCY TRANSDUCTION OF HEMATOPOIETIC STEM CELLS

### TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	20	- 30 =		x	
Independent Claims	2	- 4 =		x	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00

Large Entity

Small Entity

No additional fee is required for this amendment.

Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.

Payment by credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge and credit Deposit Account No. 04-0100 as described below. A duplicate copy of this sheet is enclosed.

Credit any overpayment.

Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.

  
\_\_\_\_\_  
Irina E. Vainberg, Ph.D.

Attorney Reg. No.: 48,008

Dated: November 5, 2003

DARBY & DARBY P.C.  
P.O. Box 5257  
New York, New York 10150-5257  
(212) 527-7634

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